

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Title: Detection and Typing of Human
Papillomavirus Using PNA Probes
Inventor(s): Cohenford et al.
Serial No. Not Yet Assigned
Docket No. CYM-035 Atty: Joseph A. Capra
Express Mail No. EL653444078US



Figure 1

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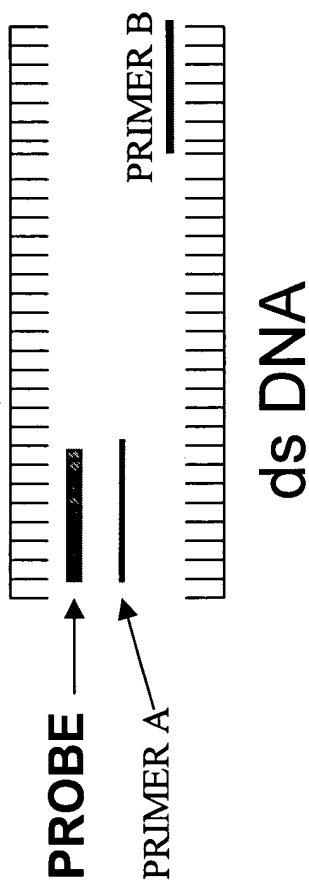


Figure 2 Competitive inhibition of DNA amplification by a blocking probe

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Lane 1: DNA Ladder
Lane 2: HPV DNA Strain 11,
in absence of PNA
Lane 3: HPV DNA Strain 16,
in absence of PNA
Lane 4: HPV DNA Strain 18,
in absence of PNA
Lane 5: HPV DNA Strain 11
in presence of PNA I
Lane 6: HPV DNA Strain 16
in presence of PNA I
Lane 7: HPV DNA Strain 18
in presence of PNA I
Lane 8: HPV DNA Strain 11
in presence of PNA II
Lane 9: HPV DNA Strain 16
in presence of PNA II
Lane 10: HPV DNA Strain
18 in presence of PNA II

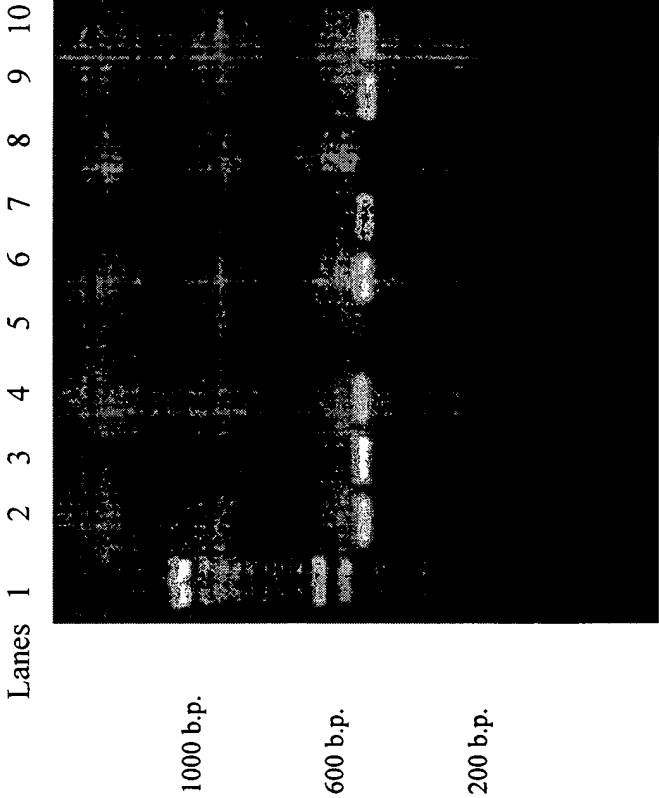


Figure 3
Selective PCR amplification of HPV DNA using
PNA blocking probes

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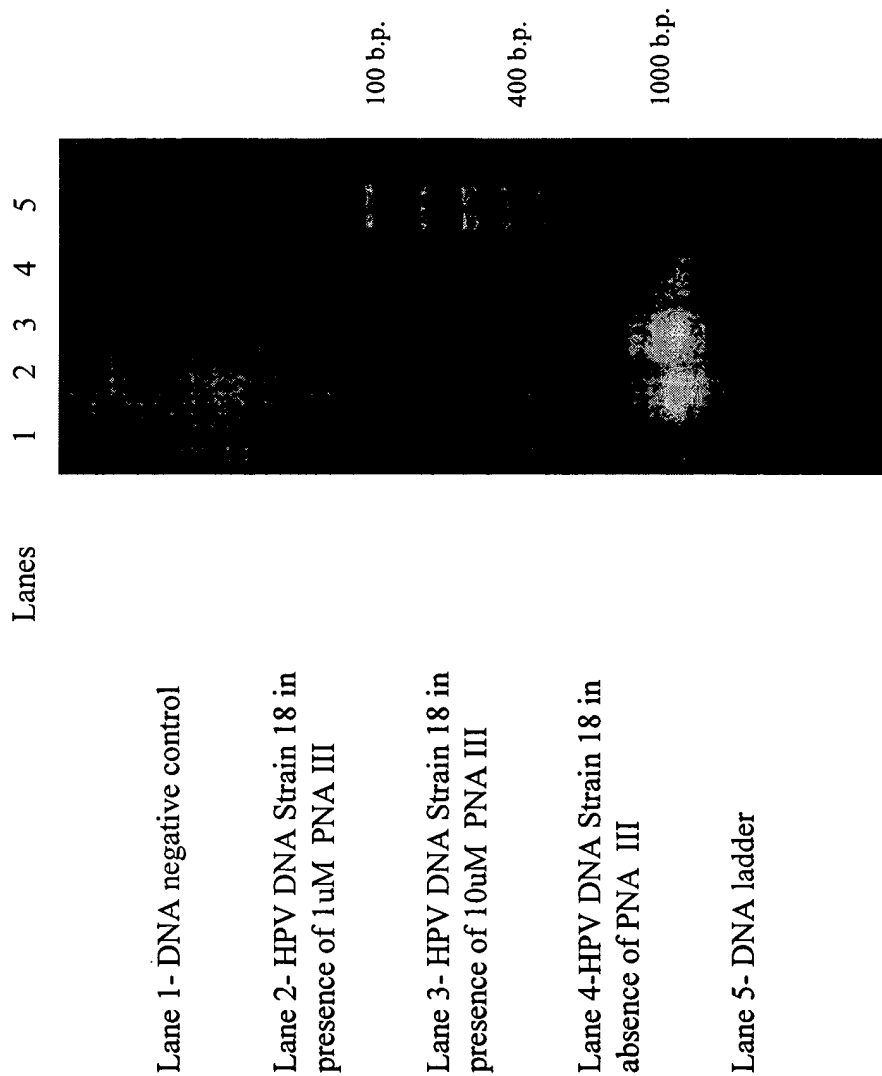


Figure 4 Effect of PNA concentration on HPV DNA (STRAIN 18) PCR